

# ❖ B.A.R.C.'s Bark ❖

Volume 22 Issue 12

December, 1997

## President's Notes

This will be my final President's Note to you this year. It has been a great year, and we've had a lot of fun and accomplished much.

We had two fine Field Day sights set up this year. The BARC Jr's had an incredible success this year, and the BARC adults made a good show after a two year absence.

We also had a fantastic day with BARCfest. We are already starting to think about next year, due to all the great efforts we had in 1997.

The BARC Jr's sent two representatives to the Youth in Amateur Radio Forum at the Dayton Hamvention. They have already been invited back in 1998. This will make six years running!! They have also licensed around 20 new hams this year alone.

We put up a new antenna for our repeater this year. The repeater has been almost completely re-built over the past 2 years. What a difference it has made. If you have an opportunity to speak with Rip, NV0M, be sure to thank him for all the  
[cont. on Page 3]

## Editor's News

First, let me wish everyone a very happy, healthy, and safe holiday season. This is the time for friends and family to get together and celebrate a beautiful time of year. We, here in Colorado, have it a bit better than most. We not only get to enjoy the spirit of the season, but also get to enjoy the cold, crisp weather, and can get to the snow (for a White Christmas), if we so desire. (Though



## Happy Holidays

with the way things are going, we just might have the snow find us this season.)

The big news (from the newsletter front) is that during the coming year, I will, with your help, try to improve

and expand on the overall content of the newsletter. Tremendous efforts have been made in the past to grow B.A.R.C.'s Bark into being something everyone looks forward to getting once a month. And, I would like to continue that tradition. So, beginning in this issue, I have added a few more pages to the overall length, and will start pulling some of the more interesting news of the month from the FCC and the ARRL on a regular basis. In 1998, I would like to also publish more articles from our club members. We are blessed with a wonderful reservoir of talent and knowledge here. And, it's time to reap the benefits of these special individuals. You don't have to hold an EE degree to contribute. I want articles from anyone who feels they have something to contribute to the Amateur community and the club. My son, Eric, is only 10, but he has been writing stories for the past 3 years. Many of his stories are now on the Internet, and he gets daily e-mail from children, parents, teachers, and other professionals complimenting him on his work. So, make a New Year's resolution to contribute at least one article to the newsletter in 1998. Don't worry about spelling or grammar. My job is to help you make your article be the best it can be. And, how do you get an article to me. The easiest way, if you have an Internet connection, or access to e-mail, is just to send it to me in a plain, ASCII, electronic format. Since I am "cutting and pasting" material into Microsoft Publisher, this saves me a  
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## Boulder Amateur Radio Club

**P.O. Box 17362  
Boulder, CO 80308-0362**

**President - Dan Wisotzkey, N0NLS  
665-8367**

**Vice-President - Bruce Wallingford,  
WB0MZ  
857-1303**

**Secretary - Randy Cassingham, KA6FDS  
413-1235**

**Treasurer - Dave Casler, KE0OG  
665-0150**

**Trustee - Rip Van Winkle, NV0M  
494-5578**

**Membership - Dan Wisotzkey, N0NLS  
665-8367**

**BARC Jr. Rep - Ellie Van Winkle, N0QCX  
494-5578**

**Newsletter Editor - Jeff Weinberg, W0QO  
768-9122**

[jjweinb@mindspring.com](mailto:jjweinb@mindspring.com)

### CLUB REPEATER

146.700 Mhz out (-0.6 Mhz)

### CLUB HOME PAGE

<http://www.thisistrue.com/barc.html>

### Amateur Radio World

[http://www.mindspring.com/  
~jjweinb/arworld/arwindex.html](http://www.mindspring.com/~jjweinb/arworld/arwindex.html)

### BARC Jr. NET EVERY SUNDAY

At 7:00 P.M. on 146.700 Mhz

### Monthly Meetings:

Third Tuesday of each month  
at 7:30 PM

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## Area Repeater List

Net Name	Frequency	Day	Time
Nebraska Phone Net	3983.5	Daily	6/7:30a m
Hi Noon Net	7240	Daily	12:00
CO-WY Net- CW 5 WPM	3715	Daily	7:30pm
Central CO Traffic Net	Colorado Connection	Daily	7:30pm
Northern CO Traffic Net	145.115(PL T 100 Hz)	Daily	8:00pm
Southern CO Traffic Net	146.97	Daily	8:00pm
Columbine Net	3989	Daily	8:00pm
CO ARES HR Net	3928	Sunday	8:00am
CO Emergence Phone Net	3945	Sunday	8:00am
CO RACES Net	3990.5	Sunday	6:00pm
South West Traffic Net	3935	Daily	9:30pm
North Boulder County ARES Net	147.27	Sunday	9:00pm
CO ARES VHF Net	Colorado Connection	Sunday	8:30pm
Young Hams Net	146.70	Sunday	7:00 pm
South Boulder County ARES Net	146.76	Monday	8:00pm
Boulder County Packet Net	145.09	Monday	After ARES Net
CO RACES Net	3990.5	Tuesday	7:30pm
JeffCo ARES Net	146.67	Tuesday	8:00pm
CO Connection Net	Colorado Connection	Thursday	8:00pm
CO Events Net	146.94	Thursday	8:00pm

Mt. Thorodin	145.31/-	CO Connection
Akron	145.40/-	CO Connection
CO Springs	145.13/-	CO Connection
Dillon	146.79/-	CO Connection
Grnd Junction	147.285/+	CO Connection
Kremmling	147.075/+	CO Connection
Leadville	145.445/-	CO Connection
Rifle	146.985/-	CO Connection
Salida	147.285/+	CO Connection

### Selected 70cm Repeaters

Location	Frequency	Sponsor
Boulder	447.45/-	Kirkwood RA
Boulder	448.175/-	WB0WNV
Boulder	448.90/-	KARG
Boulder	449.40/-	K0DK
Boulder	449.55/-	Rky Mtn VHFS
Longmont	448.80/-	WD0FEX
Longmont	448.525/-	N0EPA
Boulder	447.975/-	CRA

## NOTICE

If you would like to contribute material to *B.A.R.C.'s Bark*, you can send material to Jeff at "[jjweinb@mindspring.com](mailto:jjweinb@mindspring.com)", by no later than the 30th of the month prior to when you want your article to appear. Please make sure all submissions are in plain ASCII text format only. Electronic submissions greatly speed up getting your material into the newsletter. Please submit all pictures in BMP, GIF, or JPEG formats. For all newsletter submissions, please provide Jeff with your name, call sign, and evening telephone number. When submissions appear are determined by available space in each newsletter and the discretion of the editor. The editor reserves the right to edit any copy. Jeff can also be reached at 768-9122.



[cont. from Page 1]

hard work he has done, as well as the supervision he has given to the others who have worked at the repeater site. All in all, we have had a very busy year. I would like to thank everyone who helped.

I would like to introduce the new officers for 1998. Jack, WM0G, is our captain, and Jim, N0VLE is the first mate. Dave, KE0OG, will remain in charge of our finances, and Randy, KA6FDS, will record the events of the new year. Rip, NV0M, will oversee W0DK, and Ellie, N0QCX, will be our liaison with the BARC Jr.'s. Please lend them a hand this year to help them make their term as good as the past year.

Jeff, W0QO, is our new newsletter editor. Like all past editors, he needs articles from you. We are asking all the great talent in our Club to write an article or two on your area of expertise. Please share your interests. We are sure to be good listeners.

Once again, I would like to thank my Board and the rest of the club for a good year. I hope to see you at the meetings, and on the air.

**One final thing...** 1997 is almost over. It's time to renew that BARC Membership for 1998. Last month we published a renewal form. Please take the time to fill it out with all the pertinent information. This will make a big difference in my records. Also, we have added a spot for e-mail addresses. We appreciate all the updated information. Thanks, 73, Dan, N0NLS

## FCC Notes

**ITEM:** The FCC announced that effective January 1, 1998, the maximum allowable reimbursement fee for an amateur operator license examination will be \$6.39. This amount is based upon a 2.2% increase in the Department of Labor Consumer Price Index between September, 1996, and September, 1997.

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**ITEM:** When transmitting in conjunction with an event of special significance, an amateur station ("special event station") may transmit the identification announcement using a special event call sign in accord with the procedures detailed below. Substituting a special event call sign for its assigned call sign may help a special event station call attention "on-air" to its participation in the special event and to the unique opportunity for the amateur service community to exchange greetings with the station. Use of these provisions, however, must not detract from the station making the source of its transmissions known to those receiving them. The special event station must also transmit its assigned call sign at least once per hour during such operation.

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**ITEM:** Permissible countries: Section 97.111 of the Commission's Rules, 47 C.F.R. 97.111, authorizes an amateur station licensed by the FCC to exchange messages with amateur stations located in other countries, except with those in any country whose administration has given notice that it objects to such radiocommunications. Currently, there are no banned countries.

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tremendous amount of work and time.

Another item I would like to add to the newsletter is a quarterly or semi-annual listing of current BARC members, their names, calls, telephone numbers (if you desire yours to be published), and e-mail addresses. The listing would be in alphabetical order by both name and call.

Have you ever heard a call on the repeater and could not remember who it was? Well, the name list would be on one side of a page, and the call list on the other. Tear out the list, and the next time you hear someone, you could go back to them and not feel embarrassed that he or she remembers your name, and you don't remember theirs.

Finally, I plan on changing the table of repeaters and nets found on page 2 of this newsletter. I believe there is a better way to organize this data. So, beginning in early 1998, you will see a change in format. It will be simpler to read and use. If you have ever seen how the net listing is published in the Denver Radio Club's newsletter, I plan to follow the same type of format.

Be forewarned, I can not guarantee that all of the same information that you find in the current list will be there. So, if you like the current format, please save page 2 from this month's newsletter to supplement the new information that will be published next year.

Well that's it. Again, have a great holiday season. And, if you are traveling, please drive carefully. and our families.

Jeff Weinberg - W0QO



# News from the ARRL

*These Amateur Radio news excerpts were taken from the ARRL Letter, Vol. 16, nos. 46, 47 and 48.*

## TAPR OFFERS LATEST AX.25 PROTOCOL

AX.25 Version 2.2 is up on the Web! You can access both the 1984 and 1997 versions of this Amateur Radio packet link protocol at <http://www.tapr.org/tapr/html/ax25.html>. This document marks the fourth edition of the AX.25 Amateur Packet Radio Link Layer Protocol by the ARRL and the Tucson Amateur Packet Radio Corporation (TAPR). The AX.25 Version 2.2 document is available free of charge.

## BUSTED PIRATE BROADCASTER IS HAM

A well-known ham who thumbed his nose at the FCC was among those caught up in a Tampa, Florida, sweep by federal agents to shut down unlicensed broadcasting operations there. L. Douglas "Doug" Brewer, KC4HAZ, a General licensee of Temple Terrace, Florida, was detained when armed agents moved in to close down the pirates and confiscate equipment. Brewer is the trustee of several Amateur Radio repeaters in Tampa.

Brewer, 43, operated "The Party Pirate" from his home on 102.1 Mhz. He told reporters that he was awakened November 19 at 6:30 AM by armed US marshals who handcuffed him. According to news reports, federal agents seized equipment from his home studio and from a remote broadcasting van that carried a "102.1 FM Pirate Radio" logo. They also dismantled a 150-foot tower. US marshals trucked away the equipment in a rental vehicle as Brewer looked on.

Known on the air as "Craven Moorehead," Brewer is said to have taunted FCC officials on and off the air

and has refused to pay a \$1000 FCC fine. Brewer has hinted that he plans to return to the airwaves. The Party Pirate was the subject of an article earlier this year in The Wall Street Journal. Brewer's Web site includes pictures of FCC agents taking field strength readings outside his house.

## WRC-97 WRAPS UP IN GENEVA

The 1997 World Radiocommunication Conference concluded its talks in the early morning hours of November 21 in Geneva, Switzerland. Amateur Radio survived WRC-97 largely unscathed, but the stage has been set for renewed spectrum battles at WRC-99.

Two significant ham radio-related issues failed to make the cut for consideration at WRC-99. For budgetary reasons, the WRC-97 delegates had to limit the WRC-99 agenda only to the most urgent issues. Pushed back to the tentative agenda for WRC-2001 were the possible realignment of the 40 meter band to resolve a conflict between hams and broadcasters in part of the band (along with possible expansion of broadcasting bands between 4 and 10 Mhz), and Article S25 of the international radio regulations. Article S25 contains the international regulations specific to the Amateur and Amateur-Satellite Services, including the Morse code requirement for operation below 30 Mhz.

## FCC ISSUES RF SAFETY SUPPLEMENT B TO OET BULLETIN 65

Hams now have basic guidelines and tools to evaluate their stations for compliance with the FCC's RF exposure guidelines that start phasing in January 1, 1998. The FCC's Office of Engineering and Technology issued the long-anticipated Amateur Radio supplement B to its OET Bulletin 65 on November 18. Supplement B, entitled Additional

Information for Amateur Radio Stations, contains detailed information specific to ham radio stations. It is designed to be used in conjunction with the FCC's OET Bulletin 65 (Version 97-01), Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields. The revised Bulletin 65 was issued earlier this year. Supplement B covers definitions of RF radiation and discusses the FCC exposure guidelines and their applications, methods of predicting human exposure, estimating compliance distances, and controlling exposure to RF fields. The supplement runs approximately 70 pages. Among its noteworthy highlights are numerous easy-to-use tables based on various frequencies, power levels and antenna configurations to help hams determine whether their stations comply with the FCC's published RF exposure guidelines. Most tables show compliance distance--the distance that an antenna needs to be located from areas of exposure to be in compliance.

The new RF exposure rules go into effect January 1, 1998 for all new stations and for those filing a Form 610 with the FCC after that date. Existing stations have until September 1, 2000 to comply with the new rules. But, existing stations making changes that could affect RF exposure from their station--such as increasing power or relocating antennas--must evaluate that change if done after January 1, 1998.

OET Bulletin 65 and the new Supplement B are available at <http://www.fcc.gov/oet/info/documents/bBulletins/#65>. Copies are available from International Transcription Service Inc., 1231 20th St. NW, Washington, DC 20036; tel 202-857-3800; fax 202-857-3805.

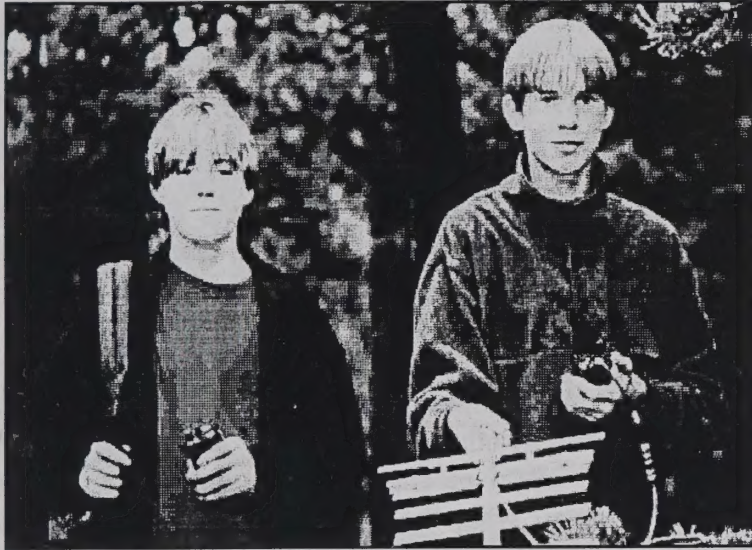
## NEVADA HAMS GET A BETTER DEAL

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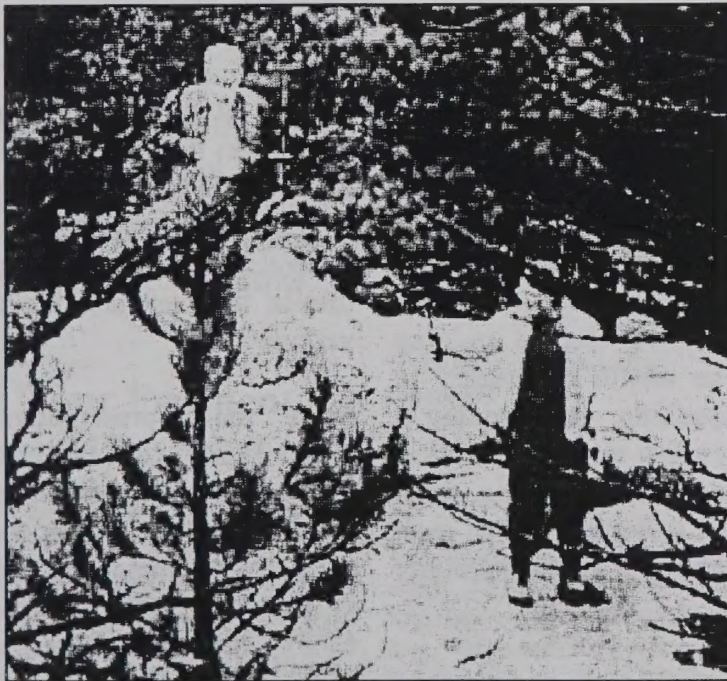


## BARC Jr. Snippets

Scenes from the BARC Jr. fox hunt in the mountains...



Have antenna, will travel!



"Crystal! Don't tell me where it is! I'm having too much fun coming in last!"

## Announcements



### VE Testing:

**When:** January 10, 1998

**Where:** 903

Paragon Drive (Rip and Ellie's place)

**Exams given:** All levels of written and code exams will be available at this testing session.



**FCC License Status  
Number:**

**1-800-322-1117**



## Yap Yap

### BARC Juniors Invited Back to Dayton

Once again, Carole Perry, WB2MGP, the organizer of the Youth in Amateur Radio Forum at the annual Dayton Hamvention, has invited BARC Junior to participate. BARC Junior has sent representatives to this forum for the past several years, earning numerous accolades. After three years of sending just one representative, two years ago BARC Junior sent three representatives; last year it sent two. It will send two this year.

"The reason our kids are invited over and over again is simple. They're well prepared, they're interesting, and they have something to say," beams a proud Ellie Van Winkle, NØQCX, the BARC board member responsible for BARC Junior.

BARC Junior is one of the most visible ways that BARC serves the Boulder area. BARC Junior, sponsored by BARC for the past several years and headed by Ellie Van Winkle, brings Amateur Radio and youth together. To date, over 110 new hams have been minted through BARC Junior. BARC Junior was featured in the September, 1997, issue of QST.

BARC Junior takes the job of selecting Dayton representatives

very seriously. "We have so many qualified youth who want to go," says Ellie. "We use all our Elmers in the selection process. It can be very gut wrenching."

The selection process is long and time consuming. It's already started for the 1998 Hamvention. Ten kids have thrown their hats into the ring, knowing they've signed up for quite a bit of work.

The next step is a parent meeting, scheduled for December 6th. This meeting helps the parents understand in detail what their kids want to do, and lays out the criteria used for selection. The meeting also lays out what will be expected of the selected kids.

The kids who want to continue then write an essay, answering questions such as why they want to go to Dayton, what they'll talk about, and how they'll make this appealing to the Dayton audience. This essay is due on January 10th.

The kids then receive training during the month of January in public speaking, each honing a talk to give to the selection committee. This training, both group and individual, helps each kid improve his or her speaking style.

The selection committee, composed of all the BARC Junior Elmers, plus invited outside experts, meets on January 30th.

At this meeting, each of the candidates delivers a talk to the Elmers and answers questions. The talk is similar to the essay written earlier. The sessions are videotaped for later review. After all the BARC Juniors have given their talks, the Elmers then deliberate, far into the night, to pick the ones who will represent BARC Junior at Dayton.

The criteria used for this decision are simple. First is pizzazz--how much excitement can the candidate generate. The second is whether the candidate has something to say--something of interest to the larger amateur radio community. The third is the potential to be honed into an excellent public speaker. "This isn't a popularity contest, nor is it a reward for service to BARC Junior," says Ellie. "The purpose is to select the person best able to help sell the idea of youth training to the amateur community in general. We've used a process like this in the past and it's worked very well."

Once the representatives are selected, the work really begins. Talks must be written, honed, and polished further. Then the talks are delivered to several audiences in the Denver area. The first is the BARC club itself. Then another radio club. Then a local, non-amateur service club. Then to BARC Junior. Several of the

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representatives in past years have commented this last one is the hardest! Finally they're off to Dayton.

BARC Junior raises the money required to send the kids to Dayton and pays for their expenses while there. Of course, Rip and Ellie Van Winkle are there, too, along with other BARC Junior Elmers, to ensure our BARC Juniors don't get lost and get to the forum on time. BARC Juniors who've represented us in the past have reported this event is a real highlight in their lives. The training is invaluable and the impression made is indelible. Carole Perry, the forum organizer, has praised our kids highly. A major contributing factor to this success is the careful process by which representatives are selected and the thorough training they receive at the hands of our BARC Junior Elmers. "We have a delightful group of Elmers," says Ellie. "We could not succeed without BARC's continuing support and the great people who volunteer their time and talents."

## Do Your Frequent Flyer Miles Need a Home?

Do you have more frequent flyer miles than you can use? How about giving them to two BARC Juniors? They'll be used to get the kids to and from Dayton, Ohio, for the Hamvention in May, 1998.

The kids represent BARC Junior and BARC at the Youth in Amateur Radio forum. BARC Junior must raise funds to support these kids for this endeavor. For the past few years, generous donations of frequent flyer miles has greatly eased this burden. Can you help? Call Ellie Van Winkle, NØQCX, at 494-5578. See the separate article in this newsletter describing how these kids prepare for this event.

## News from the ARRL

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Glenn Roberts, KU7Z, says that, for years, hams in Boulder City, Nevada, have been limited to an antenna height of 35 feet. Last spring, with guidance from the ARRL, hams there submitted what Roberts called "a very detailed and well documented petition" asking for a revision in the antenna code to allow a maximum tower height of 70 feet.

"We had been working closely with city officials ever since, to get this code revised," he says. On November 25, the City Council voted unanimously to approve a new code allowing antennas up to 70 feet tall.

"Persistence paid off!" Roberts concluded.

## JUST IN TIME FOR THE HOLIDAYS

The ARRL is offering three new coffee mugs, just in time for holiday giving. You have your choice of "The Old Man" mug, which features a picture of ARRL cofounder Hiram Percy Maxim, W1AW, at his radio and the legend "The Old Man" surrounding the ARRL diamond. Order item number 6494.

Traffic handlers will want the National Traffic System mug, featuring the NTS logo in red, white and blue. Order item number 6486.

Members of the Amateur Radio Emergency Service will enjoy the ARES mug, featuring the ARES logo in red, white and blue, Order item number 6478.

Each mug is \$7 plus \$3 shipping. To order, call toll-free, 888-277-5289 (8 AM until 9 PM Eastern Time) or visit the ARRLWeb, <http://www.arrl.org/catalog>.

**\* The FCC clarifies:** All club station trustees requesting the call sign of a deceased former member as a club station vanity call sign (and holding a letter of consent of a close relative of the former holder), should check Box 7D on FCC Form 610V and fill in the call sign of the deceased former holder plus the relationship of the close relative to the former holder. Do this whether applying under Gate 1A or Gate 4. Applicants should ignore the Box 7D reference to clubs that held a club station license granted before March 24, 1995. This date is no longer relevant. Do not check Box 7F and do not put the requested in memoriam call sign in the preference list on the back of the Form 610V.--thanks to FCC via Bart Jahnke, W9JJ

**\* Vanity update:** As it cleared the decks for an anticipated rush of Gate 4 vanity applications on December 2, the FCC office in Gettysburg, Pennsylvania, processed all vanity applications received during the last week of October on November 25. A spokesman reports 74 grants and 80 WIPs (work in process). All WIPs have been processed for that period. The FCC reports it got 828 new, electronically filed vanity applications on December 2 (the numbers are not yet in for paper applications). The FCC will not schedule processing of first-day applications until the 10-day deadline to receive fee payments for electronically filed applications is past.



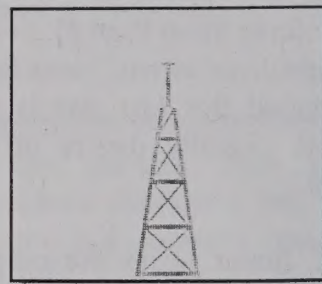
## Boulder Amateur Radio Club Membership / Renewal Application

The **BARC** membership year is January 1 to December 31. Please supply all the information requested below.

Date: \_\_\_\_\_  
 Call: \_\_\_\_\_  
 Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City, State: \_\_\_\_\_  
 Zip: \_\_\_\_\_  
 Phone: \_\_\_\_\_

Membership type: \_\_\_\_\_ {R,C,A}  
 License class: \_\_\_\_\_ {E,A,G,T,N,or blank}  
 Year Licensed: \_\_\_\_\_ {Year 1st license was granted}

**REMINDER:** BARC membership dues are due at the first of the year. If you are a BARC Jr. whose family does NOT belong to BARC (not part of a family membership), then your yearly dues are also due January 1. If you want to pay now, your dues will be paid through December, 1998.



### Membership Types:

**R (Regular) — \$18 / year**

Note: Family members are included in regular memberships in the same household.

**C (Child) — \$6 / year\***

If not in a family membership

**A (Associate) — \$18 / year**

\* Child memberships are for children 17 years or younger whose parents are not members of B.A.R.C.

Make checks payable to B.A.R.C.

Mail to:

B.A.R.C. Membership

Post Office Box 17362

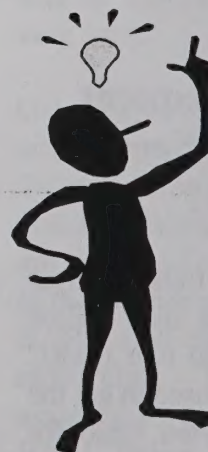
Boulder, CO 80308-0362

# B.A.R.C.'s Bark

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 97

**Next B.A.R.C. meeting:**  
**Tuesday, December 16th**  
**7:30 PM**  
**NIST, Room 1105**  
**325 Broadway, Boulder**



— Your Dues are Due! —